B.B NO: 101
31.5.14

CIVIL TECH LABS

TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Project	Repairs to footpath shoulders drains and side drain at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency	Smt. Mallamma. K.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959[Reaffirmed 2004]

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC Work	25/02/2014	25/03/2014	28	8.16	470	20.89	21.26
2					8.18	480	21.33	
3					8.19	485	21.56	

Note:

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3 Any correction invalidates this report.
4 The results are based on the test conducted on samples supplied by the client.

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE W-4

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬ.ಜ.ಬ.ಪ. ಬೆಂಗಳೂರು-106

Yelahanka Division

CIVIL TECH LABS

TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Project	Repairs to footpath shoulders drains and side drain at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency	Smt. Mallamma. K
Grade of Concrete	M-15
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959[Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC Work	02/02/2014	02/03/2014	28	8.18	370	16.44	16.44
2					8.19	372	16.53	
3					8.16	368	16.35	

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AE LI-4

ಕರ್ನಾಟಕ ಕಾರ್ಯನಿರ್ವಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಯಲಹಂಕ ನ್ಯೂಟೌನ್ ಉಪವಿಭಾಗ,
ಬೆ.ಮ.ಉ.ಕ. ಬೆಂಗಳೂರು-106

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CIVIL TECH LABS BANGALORE

CIVILTECH LABS

TEST REPORT ON COARSE AGGREGATES 40mm ↓ Graded Ref IS 383/2386

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Repairs to footpath shoulders drain and side drains at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency Name	Smt. Mallamma. K.

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
40mm Down Graded	04/01/2014	2.67	0.27	80	100	100	Satisfies The Requirements
				40	98	95-100	
				20	58	30-70	
				10	27	10-35	
				4.75	4	0-5	

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ಪಟ್ಟ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಅಧಿಕಾರಿ
ಸಹಾಯಕ ಆಯುಕ್ತರ ಉಪವಿಭಾಗ,
ಯಲಹಂಕ-೧೦೬

Yelahanka Division

CIVILTECH LABS

TEST REPORT ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Repairs to footpath shoulders drain and side drains at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency Name	Smt. Mallamma. K.

Sample	Date of Testing	Specific Gravity	Absorption in %	IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement As Per IS 383-1970	Remarks
20mm Down Graded	04/01/2014	2.64	0.31	40	100	100	Satisfies The Requirement
				20	98	95-100	
				10	42	25-55	
				4.75	7	0-10	

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Lab Incharge
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CIVIL TECH LABS BANGALORE

Executive Engineer

CIVILTECH LABS

TEST REPORT ON CEMENT

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Repairs to footpath shoulders drain and side drains at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency Name	Smt. Mallamma. K.

Tests on Cement	Test Date	Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112 1989	Remarks
			IS Code	Method	Value	Unit		
	04/01/2014	Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	48	min	Not Less Than 30 Minutes	Satisfies Requirement
		Final Setting Time	IS-4031 (Part-5) 1988	VICAT	494	min	Not More Than 600 Minutes	Satisfies Requirement
		Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	5	mm	Not More Than 10 mm	Satisfies Requirement

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVILTECH LABS

TEST REPORT ON FINE AGGREGATES Ref:IS:383/2386

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Repairs to footpath shoulders drain and side drains at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency Name	Smt. Mallamma. K.

Sample	Date of Testing	Specific Gravity As Per IS: 2720	IS Sieve designation (mm)	Sieve Analysis [% Passing IS Sieve]	Grading Requirement As Per IS 383-1970				Grading Zone
					ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
Fine Aggregates	04/01/2014	2.56	10	100	100	100	100	100	II
			4.75	97	90-100	90-100	90-100	95-100	
			2.36	86	60-95	75-100	85-100	95-100	
			1.18	74	30-70	55-90	75-100	90-100	
			0.6	45	15-34	35-59	60-79	80-100	
			0.3	24	5-20	8-30	12-40	15-50	
			0.15	8	0-10	0-10	0-10	0-15	

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CIVIL TECH LABS BANGALORE

CIVILTECH LABS

TEST REPORT ON REINFORCEMENT STEEL BARS 10mm

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Repairs to footpath shoulders drain and side drains at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency Name	Smt. Mallamma. K.
Date of Testing	04/01/2014

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.619	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	428	415	Satisfactory
6	U T S (N/Sq.mm)	535	485	Satisfactory

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Civil Tech Labs

CIVIL BANGALORE

CIVILTECH LABS

TEST REPORT ON REINFORCEMENT STEEL BARS 8 mm

Name of the Client	AEE, Yelahanka New Town Sub Division, BBMP
Name of Work	Repairs to footpath shoulders drain and side drains at 1st A main road from SBI Bank to Chikkabommasandra circle in ward No. 04.
Agency Name	Smt. Mallamma. K.
Date of Testing	04/01/2014

Sl.No.	Description	Result	IS 1786-1985 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.398	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.7	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	416	415	Satisfactory
6	U T S (N/Sq.mm)	520	485	Satisfactory

Note:

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